

QP Code: 105008

Reg.No.:

First B.Pharm (Ayurveda) Degree Examinations, October 2015

PHARMACEUTICAL ANALYSIS

Time: 3 Hours

Max Marks: 100

- Answer all questions

Essay

(2x10=20)

1. Explain about types of pM indicators used in complexometric titration. Discuss its mechanism and structure.
2. Describe the general procedure involved in gravimetric analysis.

Short Notes

(10x5=50)

3. Describe briefly the redox titration involved in titanous chloride.
4. Explain about Mohr's method in precipitation titration.
5. Minimization of errors.
6. Explain hydrogen ion exponent.
7. Kjeldahl method for nitrogen determination.
8. Discuss the principle and procedure involved in the determination of ferrous sulphate using 0.1 N potassium permanganate solution.
9. Mixed indicators.
10. How does an adsorption indicator work.
11. Explain the advantages and disadvantages of organic precipitating agents.
12. Effect of pH on complex formation.

Answer Briefly

(10x3=30)

13. Discuss the selection of pharmaceutical buffers.
14. How does a redox indicator work.
15. What is onium ion.
16. What is external indicator method and mention an example.
17. What is Werner's co-ordination number. What is its significance.
18. What are the solvents used in Non Aqueous titration
19. Define oxidation and reduction.
20. Mention the principle involved in gravimetric analysis.
21. What is sequestering agent.
22. How does starch iodide paper work as indicator.
